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Quote # 426C
Detailed Package Description

WVC PD

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Surveillance Van Retrofit – Large Package:

\$ 36,800

**This quote is based on WVC PD's existing surveillance van.*

***The following equipment is to be removed from the vehicle / re-located:**

- Remove the periscope assembly and associated control equipment
- Remove the touch screen interface and associated control system
- Remove two VCR units and associated wiring
- Remove date & time stamp device and associated wiring
- Remove analog video printer and associated wiring
- Remove two existing articulating arm camera assemblies and associated mounting assemblies
- Remove existing wall mounted video, power, and control connections from bulkhead and side walls.
- Remove four existing lead acid batteries and associated 4 GA welding cable connections / jumpers
- Remove 1000 watt inverter and associated cabling
- Remove 20 amp battery charger and associated cabling
- Remove 12vdc water pump assembly from cooling system
- Remove 12vdc variable speed ceiling mounted fan
- Relocate communication radio and scanner from upper equipment bay to lower equipment bay
- Relocate upper storage compartments (x2) to lower equipment bays
- Re-configure, condense, and relocate switch panel within first equipment bay

***The following equipment is to be installed within the vehicle:**

- One (1) set of 11 RU steel rack rail
 - To be secured within the second upper bay back from the bulkhead wall (middle bay)
 - This will allow for rack mounting of equipment and will match the other two upper equipment bays
- Two (2) 17" Flat screen LCD multifunction computer monitor with analog video inputs
 - One to be installed within the second upper bay back from the bulkhead wall (middle bay)
 - One to be installed within the third upper bay back from the bulkhead wall (rear bay)
 - Monitors operate on 120vac
 - Both monitors to be wired via VGA cable to computer unit with dual VGA video card
 - Analog video inputs to be wired and panel mounted within the equipment rack from each monitor
 - For optional use with analog video equipment if ever needed
- Two (2) Custom built steel bezels to neatly secure 17" LCD monitors within rack rail space
 - Bezels to be powder coated with black wrinkle paint

- One (1) Rack mounted computer with dual VGA video card for use with two computer monitors
 - Computer to have Windows operating system and be networked to on board video system
 - Computer to have CD / DVD drive and sufficient hard drive for surveillance recording operations
 - Rack mounted computer to be 1 RU in height
 - Keyboard and mouse for computer to be secured to a slide out tray
 - Operates on 120vac
 - To be installed within the third lower bay back from bulkhead wall (rear bay)
- One (1) IVI View Commander Software license to operate LAN connected IP cameras on board surveillance van
 - Associated configuration of software to run all four IP PTZ cameras
- Four (4) Axis 214 IP PTZ cameras
 - Cameras to be networked to LAN within van
 - Camera assemblies to have interconnected power and data cords between wall connections and cameras
 - Three to be installed on articulated bogen arm assemblies with variable friction knobs
 - Forward side doors PTZ location
 - Rear bay doors PTZ location
 - Rear driver side window PTZ location
 - One to be installed on removable clamp plate
 - Cab PTZ location
- Three (3) articulating bogen arm assemblies with variable friction knobs, super clamps, and clamp mounts
 - For Axis 214 PTZ cameras to secure to within rear cabin of van
 - Allows for PTZ camera position to be adjusted within van
- One (1) clamp plate assembly with easy adjust super clamp and clamp mount
 - For Axis 214 PTZ camera to secure to within cab
 - Allows for easy and quick installation / removal of PTZ camera in cab area of van
 - Cab area installation allows forward looking camera view out windshield and side cab windows
- One (1) Compact color photo laser printer for printing off still images from IP camera system
 - Operates on 120vac
 - To be installed on countertop adjacent to upper equipment bays
 - To be networked with LAN within van
- One (1) Slide out articulating keyboard tray
 - Mouse and keyboard to be secured to tray for ease of use
 - Tray slides out from under countertop and is adjustable (up / down / side to side)
- One (1) 12 port rack mounted network switch
 - To be installed within first lower bay back from bulkhead wall (front bay)
 - Operates on 120vac
 - Allows for multiple IP devices to be networked together
 - PTZ cameras, computer, printer, modem, etc...
- One (1) 12 position CAT 5E rack mounted data patch panel
 - To be installed within first lower bay back from bulkhead wall (front bay)
 - Allows for CAT 5E cable infrastructure to be wired / patched over to network switch
 - Ties in all outlying CAT 5E data jacks / devices such as computer, modem, PTZ cameras, printer, etc..
- Seven (7) 1' long CAT 5E data patch cords to connect seven positions from data patch panel to network switch
- Seven (7) CAT 5E PVC coated 4 pair network cable runs between data patch panel and outlying device locations
 - Computer x 1
 - Printer x 1
 - Modem x 1
 - PTZ cameras x 4
- Seven (7) Wall plate mounted CAT 5E data jacks terminated to ends of data cable at device locations
 - Computer x 1
 - Printer x 1
 - Modem x 1
 - PTZ cameras x 4
- Four (4) Wall plate mounted CPC4 power connectors located at each PTZ camera location to provide power to PTZ devices
 - Cab PTZ location
 - Forward side doors PTZ location
 - Rear bay doors PTZ location
 - Rear driver side window PTZ location
 - PTZ cameras require 12vdc and power connectors are to be wired via 18-2 wire and terminated at DC breaker panel
- One (1) Raven X wireless network modem
 - Service provider TBD
 - To be networked within van to allow for wireless network access of IP surveillance system
 - Modem to be secured within equipment rack

**WVC PD to be responsible for initial set up costs with wireless provider as well as ongoing service contract*

- Four (4) 100 amp hour sealed AGM deep cycle batteries
 - To be wired in parallel with 3 OTT welding cable to provide 400 amp hours at 12vdc
 - To be installed where old batteries were located within utility compartment under bench seat
 - Batteries to be secured in place with a battery tie down bar and aluminum angle on sides
- One (1) Prosine 2.0 true sine wave inverter / charger unit
 - To be installed within utility compartment under bench seat
 - 2000 watt inverter capable of 120vac 30 amp service
 - 100 amp three stage smart charger with battery temperature sensor
 - Remote control panel to be panel mounted adjacent to power control panel in upper equipment bay
 - Controls inverter / charger / programming functions of inverter / charger unit
 - To be wired with 10-3 so cord for 120vac 30 amp service within van
 - To power computer system, cameras, monitors, network equipment, accessory outlets, etc.
 - To be wired with 3 OTT welding cable for DC service off of battery bank / fuse block
- Two (2) Mega fuse holders and 250 amp mega fuses for DC service
 - One set for inverter / charger
 - One set for battery bank
- One (1) Three position AC distribution panel with 30 amp main breaker and two 20 amp breakers
 - Protects over-current protection to AC circuits within van
 - To be installed within upper equipment bay, first bay back from the bulkhead wall (front bay)
- One (1) 3 Amp three stage smart battery charger wired in line with the shore power inlet to charge the chassis battery
 - Keeps vehicle chassis battery maintained while van is stowed
 - To be installed within the utility compartment under the bench seat
- Two (2) Aftermarket tinted windows to be cut in on rear side panels of van
 - One on driver side rear panel
 - One on passenger side rear panel
 - Exact dimensions TBD
 - Windows to allow for PTZ cameras to see out sides of van
 - Interior of van to be neatly trimmed in around after market window openings
- Two (2) Dual layer black out curtains to cover aftermarket windows
 - With peep through hole for PTZ cameras to peer through
 - Removable black out hood to cover camera assembly as it peers through black out curtain
- One (1) Custom upholstered reclining captain's chair with fold down arm rests and swivel base
 - Two tone color of chair TBD
 - Chair / pedestal assembly to be bolted down through the floor
 - Chair slides forward / backward, reclines, and swivels
- One (1) Carbon monoxide safety detector
 - To be panel mounted within lower bay second bay back from bulkhead wall (middle bay)
 - To be wired to 12vdc distribution panel
- One (1) Flush mounted dual bulb Thin-Lite fixture with red film
 - To be ceiling mounted where periscope assembly was at and wired to DC distribution panel on red light circuit
- One (1) Assortment of blank rack mount panels to fill in any empty spaces within equipment racks
- One (1) 12vdc water pump assembly installed in place of old defective water pump on air cooling assembly
- One (1) 12vdc variable speed air circulation fan in place of old defective ceiling mounted fan
- One (1) White aluminum panel to seal rooftop hole in roof from periscope assembly that was removed
 - Panel to be sufficiently sealed with self leveling rooftop sealant to prevent water penetration
- Professional installation / integration of the above listed equipment**
 - Project is estimated to take about 125 man hours to complete
- 1 year limited warranty on all equipment and craftsmanship**
 - Excludes neglect, abuse, and accidental damage